## PROJECT 10073 RECORD

1. DATE - TIME GROUP	2. LOCATION
18 Jul 64 19/0355Z	Lynn, Illicanchusetts
3. SOURCE	10. CONCLUSION
Civilian	BALLOON
4. NUMBER OF OBJECTS	
· Cne	Signting descriptive of a balloon observation.
5. LENGTH OF OBSERVATION	11. BRIEF SUMMARY AND ANALYSIS
More than 10 minutes	Object resembling Star with sale mag as ECHO II moving SSM.
6. TYPE OF OBSERVATION	Hoved at same speed as IICHO. Object than slowed down and stopped. Moved back overhead. Haintained starlike appearance
Ground-Visual	Object moved away steadily to the NNE.
7. COURSE	
Varied	
8. PHOTOS	
□ Yes ℤX No	
9. PHYSICAL EVIDENCE	
☐ Yes ☐ No	

FTD SEP 63 0-329 (TDE) Previous editions of this form may be used.

\*Identification WHAS, DOSTON 29, MASS. 610-12 U.S. DEPARTMENT OF COMMERCE Year Month Time WEATHER BUREAU Actual (local standard) 42° 23'II 71° 01'W 062 WINDS-ALOFT COMPUTATION SHEET PIDAL THEODOLITE Scheduled (G.M.T.) (LAND STATION FORM) 75th MER ELEV 11' MSL WBAN-20 Ascension No. 648 are Type of balloon Orientation, 3600 = South Pibal ht. above sfc. (m.) Elevation angle Wind Rawinsonde Time-Altitude Data Rawin Distance from Azimuth Stant ht. above observation Direction<sup>o</sup> Speed angle range Can- Pressure surface Elapsed Altitude 360°= N. (m.p.s.) point Observed | Smoothed (m.) (yds.) (m.) (mb.) (m., m. s. t.) (m.) toct fine stc. 260 (min.) 216 350 386 120 670 25.2 16.6 612 22.7 15.1 10 980 301 1285 990 13.1 21.9 289.5 2885 276 20 22.1 1585 1170 22 4 285.3 25 1880 np the 22.8 2822 wing: 1350 258 10.8 30 2170 ame of 5730 1530 2455 1710 254 23.2 35 ation at. and 276.7 233 256 2.0 40 2740 23,1 1990 262 45 lase 3020 on lord 2070 7.65 23.3 9.9 50 no .\_\_\_\_th ridiun 2250 3580 2430 12 12 55 . of Station etl ad of 60 3855 2610 4130 is., e.g., winsonde, 2790 win, pihal 15 70 4405 2970 ype of 16 75 4675 quin., c. 3.. 3F T-57, MC-1A, MO-1, 3150 80 17 4945 3330 18 85 5215 CR-658, 3510 5485 90 becdelite 3590 201 20 95

	3870 6025	21						21		100						On the state of
	4050 5205	22						22		105						
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	4590 7105	25						25		120					- 10-10-10	
	4770 7375	26						26		125	1					-
:0	4950 7645	27						27		130		_				
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	6570	36						36			Cord No	. 1	15	C	ard No	. 2
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	5030	38						38		sfc.	260	8	17-	7		
	7110	39						39		150	268	9	22-	8		
1	7220	40						40		300	277	12	27-	91		
	7470 11595	41						41		0.5	205	14	32-	10		
	7650 11890	42	7					42		1.0	2018	15	37-	7,1		
	7830 12185	43						43		1.5	2/0	12	42- 46	12		
	8010 12480	44						44		2.0	263	11	47-	13		-
	8190 12775	45						45		2.5	577	<del>,,</del> -	51 52- 56	14		
	0370 13075	46						46		3	27.3	11	57-	15		
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	8730 13675	48						48		-			66	17		
	8910 13975	49						49		3			71	10		
è	9090	50						50		[ ]	1		76	10		
PP			C	oded Data fo	Transmissi	on .				Time		imum W		red D	ata .	
77250	91242	2822	12930	13030	42956	138,23	12722	2621	18,25 21	AS In	p. 1. 00	more (m	.)			
= 1212	9 1242	13.Q/2	132539	SAMIN	8/)	0	5			wind	speed (	m.)				
2	***************************************		1	1.5. 1.1. 6.4.						Max.	wind sp dir. (deg	eed (m.,	0.5.)			
		-1								Max.	alt, win	d speed	)			
											rcheck			evels		

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4)

\*Identification 1 DRM 610-12 U.S. DEPARTMENT OF COMMERCE Month Year Time WEATHER BUREAU Mantucket, Mann. (Memorial Airport) 11° 15' N 70° 04' W 75th Meriden Ti Actual 75 th mer 75th Meriden Time WINDS-ALOFT COMPUTATION SHEET Station Elev. 14 M Method Obs. Rabal
Thomas Thomas Thomas - want-57 Scheduled (G.M.T.) 00 (LAND STATION FORM) WBAN-20 Page Ascension No. 65/ Type of bolloon /200 gram 3600 = South Orientation, hi. above Elevation angle Wind Rawinsands Time-Altitude Data Rawin Distance from Aximuth Slant sfc. (m.) ht. above observation Direction<sup>o</sup> Speed angle range Con- Pressure surface Altitude 360°= N. Elansed point (m.p.z.) Observed | Smoothed (m.) (yda.) (mb.) (m.) (m.) (m., m.s.l.) tact time sfc. (min.) 216 25.4 1255 250 14 750.2 1020 350 0 41.4 670 1120 24.6 254.9 1.4 5/0 350 612 25%. 23.8 10 1100 980 259.1 801 53 A 15 822 T # 235 64 10.5 1285 990 1:00 22.5 259 € 5 262 1000 20 2600 109 75 10,7 1595 1170 260,4 25 683 267 Sec. 10 (2) 22.3 1000 3400 13.7 St imp the fo lowing: 1350 21.9 262.2 30 620 1720 272 4180 167 2170 Name of 1530 4.0 11779 263. 2 5.2 562 19.9 station 22.2 27/ 1710 \_ot. and 5220 263.8 264 500 72.2 23.3 2740 ong. 1890 0 1 263. 2 1/17/1 22.1 45 10 259 26.4 6550 10. 2 45 -ocal 3020 Standard . 5. 4 2070 22.0 3,150 263.011 50 10/7 7370 29.4 time,\_\_\_th 3300 neridian 263.8 2250 3580 2040 22.3 6.6 El. of Station 3055 55.55 7:10 92 264.4 13 273 334 34.7 8900 Method of 2610 36s., a.g., 22-7 81/90 265.1 8.1 270 37.6 9650 rawinsonde, 2190 Yo. 1 ·awin, pibal 23.0 21: 4.9 261 8.4 10400 15 4405 2970 4575 Type of :42.5 11.0 75 240 110 23.0 2645 1100 6 equip., 0.g., 3150 22.9 45.0 4BNT-57, 15:00 2646 1240 10.5 4945 SMO-IA, 3330 4410 23.0 264.5 10.1 47.4 GMO-1, 12569 18 26/ 5215 SCR-650, 3510 2.2.8 10. 90 172 13310 120 19 19 thoudalite 5485

3690 5755 8.7 22.8 517 3870 6025 22.7 54.0 10.0 4050 6295 3440 22 2.7 105 54.5 4230 6565 8.7 22.5 23 96% 19700 110 4410 6835 61.7 264 24 10.1 115 22.5 4590 7105 25 6 25 1.1811 10.8 120 2/04. 2 4770 7375 10. 256 125 22.6 264.0 26 19080 68.4 Surface 4950 7545 22.4 12.7 130 263.5 27 Termination 12-6 5130 7915 6980 22.2 O 28 Alt. for 247 135 150 & 300 m. 5310 8185 7250 22.0 262 -0 29 24600 140 ate with respect to ground, alt. 5490 8455 30 21.7 261.0 242 17.5 for other 5670 8730 106.3 199110 10 31 21.5 259.9 31 standard 5850 9905 32 21.4 258.9 32 238 140 levels are Punched Cord Data in km., msl. 6030 9285 33 33 21100 21.2 258.4 Card 6210 9565 6390 9850 34 34 257.9 16.5 21,0 12400 35 1 257.5 35 20.8 Card No. 2 6570 10135 Card No. 1 16.6 20.6 252 36 257.3 Type of equipment Type of equipment 6750 2540 37 20.4 257,1 17-6930 20.2 sfc. 38 257.1 38 10710 22-7110 11005 150 1300 39 257.1 20.0 27-31 7290 11300 20.0 19.70 257.0 40 32-36 256,9 41 7470 19.40 11595 37-7650 22. 256.8 42 251 1.0 11890 7830 45 256.5 43 1.5 12185 8010 24 47-256.3 2.0 12490 8190 52-56 18.25 256.3 2.5 12775 8370 250 21.5 18.05 256.1 57-15 13075 3 8550 155.9 7.90 47 62-16 13375 8730 13675 21, 2 7.75 245 255.6 48 67-8210 255 49 72-76 13975 9090 14.2 50 Maximum Wind Speed Data Coded Data for Transmission Min. alt. wind speed 45 m.p.s. or more (m.) Alt, of maximum wind speed (m.) 72532 827,20 Max. wind speed (m.p.s.) and dir. (degrans Dir. (degrees) and speed 00725 (m.p.x.) of Max. wind Enter check if additional levels oppear on reverse side. -

. \* Identification

Portand, Maine (City Airport)
431 3978 70" 1979 75th Mer.
Rawin Virga et Linn

### U.S. DEPARTMENT OF COMMERCE

# WINDS-ALOFT COMPUTATION SHEET (LANDSTATION FORM) WBAN-20

	Your	Month	Day	Time
Actual time th mer.	1964	JUL	18	12.00
(G.M.T.)	1964	IBL	500	1357
Ascension	No 7	0		

you of hall	aon						Oriento	tien,	360°	= South		Rawinson	de Time-Altite	ude Data
Slant	Pibal ht. above		Rowin	Elevatio	n angle o	Distance from	1		Wi	nd	Con-	(mb.)	Altitude (m., m.s.l.)	Elapsed time (min.)
range ) (yds.)	Ista-Imil	inte	ht. chove	Observed	Smoothed	observation	Azimuth		Direction o 3600= N.	(m.p.s.)	5	921	2.50	. 09
	Bran John	M	(m.)			(m.)	•	×	sic. 109	4.6	10	208	1010	30
	216	1		21		400	211.2	1	213	6.4	15	838	1950	50
	414	2	219	51.2		750	2/29	2	245	44	20	223	7390	St.
	612	3	3 7	150		850	7303	3	253	4.1	25	711	3050	
	301	4	11 9	6.65		1140	7516	4	259	4.3	30	654	3769	1500
	11/16	5	12:0			1410	752.5	5	239	4.8	35	1.01	4420	157
	1170	6	170 0	1111		17/0	2337	6	248	5.4	40	55/	5100	120
	2176	7	-12415	Jan. 197		1970	2" ha 7.	7	270	50	45	500	5840	203
	1539	1	- 263			2150	2572	8	290	3.4	50	46/	AJOU	72.1,
	1710	2	5340	47.3		2530	2460	9	385	4.5	55	421	7190	247
	1000	10	2810	1275		2500	250.2.	170	135	4.5	60	3.60	7770	207
	2070	11	21,10	1/5/2		2790	253.0	111	264	3.3	65	350	8550	287
	2250	12	11: 17:	28%		2930	7528	12	257	2.6	70	3/9	9190	20.6
	2400	13	1000	44.5		5111	7323	13	256	45	75	291	G.07.0	375
	4130	14	39.00	27		3500	253.1	14		6.8	80	264	10500	303
	2790	15	4270	2/73		5900	2009	15	245	7-6	85	240	11130	34.3
	2570	15	4500	937		1/4.00	1551	16	266	7.5	90	216	11810	300
	3150 4945	17	1/3/3/3	300		400	2563	17	765	7.5	95	195	12/90	39.9
	3330 5215	18	5170	3/4/		5300	2565	18	266	9.3	100	1711	13700	417
	5510 5485	19	x160	43/		3720	7583	19	272	9.3	105	1.0	15999	1126
	3690 5755 -	20	456 3	21.4		6000	2595	20	278	9.4	110		10/300	45
	2870	21	6050	87.0		2200	71012	21	260	19	115	1	15770	49.0
	40h0 6206	22	20000	11:6		7000	7122	22	272	7.5	120	9		
	4230 6568	23	1.1.20	60 to 1		7500		-		51	125		***************************************	
	4410 6835	24		620 5				-		2.3	130			
	4590	25	7270	211 9		1100	344	25		-	135			
	4770	24		274.0			1002	26	717	5.6	140			
	4950 7645	27	2210	11.9		9100		27						
	5130		*******	1110			717.9		27 6	29	-			

	93000	-	108			12312	827/2 O	02817	1532304	, 5	2417	02307	Dir. (degrees) and speed (m.p.s.) of Max. wind Max. alt. wind speed 45 m.p.s. or more (m.)	
11.346	17-141	-2	113	27/6	19	2508	42909	2410	62511	1	2808	8 Z907	Min. alt. wind speed 45 m.p.s. or more (m.)	-
	14275	1				Coded	Data for Tra	insmission					Maximum Wind Speed D	ate
	13975	50		-						50			6 276 7 76 18	
	13675	48	157	20	51.	-	12	000	Ebsy	48	236	19	5 769 9 67 17	
	8730	47	>	-	51.		1 7	132161	26/4	47	777	9.1	4 864 7 62- 16	
	13075	46	149	40	57-	5	113	200	2617	46	225	7.7	3 273 4 57- 15 2	21/8
	12775	45	1.7.		57	0			-1444	45	7		2.5 785 4 56 14 2	314
	12450	44	14/8	0	5%	2	113	100	2656	44	226	14.6	2.0 270 5 47 13 2	592
	7630 12185	43	13.2	0	513		10	190 P	265.3	43			1.5 257 5 42- 12 5	25 3
	7650 11699	42	1333	50	51	0	10		2662	42	240	1.9	1.0 247 4 41 11 3	108
	11505	41	170	10	570	5	10	700	-745.60	41			0 = - 32 32-	12 3
	7290	40			50	1			2640	40	240	26	300 2 1 2 27-	7/11
	7110	39	100	20	49.	7	7,3	900	3,50	39			150 191 15 22 0 2	33 8
	6930 1071b	33	-/-/-		118	9			74.70	38	342	2.7		pment 3
	27150	37	114	90	18		170	500	2058	37	-	10.60		o of
	0850 6570 10135	36	1010	3 54	4/5		1 /3/		261.0	36		80	Cord No. 1 15 C	ard No. 2
	9565 9350	34	100	- 20		*	-	The second secon	2565	35		190		Spe (den)
	9295	33	100	1	111		10	100	7556	1	345	42	itude Stees	gree:
	5850 9005	32	77.		1/2	<u> </u>	- 1	2023	12210	33	178	107	West In	c 🐨
	8730	31	1/27	0	270		10-	200	7550	31			Punched Cord Date	42.8
	8490 8455	30			111		-		2552	-	224	3.9		10 6
	8310 8135	29	850	0	41.1.	0	9	900	7563	29		-		
	5130 791s	28			41.	0			257.0	28	229	7.9		
	4950 7615	27	771	0	1/0	9	9	100-	7594	27	Same and the last			
	4770 7378	1 26			4%	1			TEG L	26	1696	18.6	140	- Company

\*identification

Portand, Maine (City Airport)

10. 2270 27- 15 W 75th Mer.

Rawin WERT CO Eev. 20m.

## U.S. DEPARTMENT OF COMMERCE

#### WINDS-ALOFT COMPUTATION SHEET

(LANDSTATION FORM) WBAN-20

	Your	Month	Day	Time
Actual time .	1964	JUL	18	1700
Schedylod [6.14.7,1]	1964	JUL	13	Onso.

Ascension No. 777

Type of ball	oon C						Drianta	ion,	3600	= South		Rawinson	ide Timo-Altin	ivda Data
Stunt	Pila.		Rawin	Elevatio	n angle o	Distance from	Azimuth			nd .	Con-	Prossure (mb.)	Altitude (m., m.s.l.)	time (min.)
(m.) (yds.)			bt. abava surfaca (m.)	Observed	Smoothed	observation point (m.)	eligna	1 .5	3600= N.	Speed (m.p.s.)	5	न्तर्भ	27.0	0"
	e, de	Minu	,,			<b>1</b> ,,		3	ste.	51	10	905	1030	3.)
	210	1	270	230		030	2750	1	545	12.3	15	582	mos	0.4
	414	2	20 M	27/2		1490	2 1/2.0	2	253	128	20	525	-5490	8.1
	612	3	5770	9.13		2200	2051	3	256	1216	25	cac.	3250	11.6
	1245	4	1180	21,6		2950	2483	4	RUS	73.0	30	८७५	4000	16.4
	1 100	5	1410	01.4		5740	2569	5	261	73.2	35	577	. 47160.	19:2
	1170	6	1790	2/2		4540	252.9	6	269	14,3	40	525	5490	19.9
	1350	7	2030	28.6		5400	9503	7	273	15,0	45	477	677.0	22.4
	1539	8	1550	20.0		6250	259.0	8	000	15.7	50	433	0960	24.6
	1710	2	2150	19:00		COST	2.60 5	-	271	13.0	55			27.4
	1800	101	28.50	19,80		002F	0 1016	10		10.0	60			30,0
	2070	11	Treffes	0.60		5400	1 1	11	269	10.0	65		9110	37.8
	2250	12	7750				O.	12	200	77.7	70		9200	20.2
	2430	13	3000	10,00		9800	2623	-	257	12.7	75		10500	37.7
	2010	14		20.5			261.7		257	10.0	80	224	11140	40.2
	2750	15		20.6			2-61.4		263	10.0	85	510	11800	42,5
	2070	16	4440	1 0		11000	26/19		264	91	90		12470	44.9
	3150	17		5.112.			2620	17	260	8.3	95	, , , ,	13125	47.1
	8030 8215	18		21.4			2.62.2	18	276	8.5	100	-	1370.0	49,4
	3510 5485	19	5000	21.8		13100		-	2881	10,0	105	139	14580	52.0
	5000 5755 .		4540	22.0		13700	2646	-	293	9.6	110		15370	546
	3570	1		27.4			2656	21		81-6	115		16150	
	4050 6295	21	5810			14100	the state of the s		293	413	120			57.4
	4230	22	2110			Contract of the Contract of th	266.6			2.3	125	-	17050	60,4
	6565	23	0410	22.9		15100	2001	-	292		130	19	18120	63,7
	6435	24		23.3		15500	3684	-	2819	7.6	-	64	19440	47,5
	7105	25	72.00	500		15950	2080	25	0.65	00	135	50	21034	72,2
	72.76	25		238			24.93	26	295	7.9	140	35	13310	2.35
	7515	27	7520	29.1		10,700	2 201	27	77.00	157	142	50	27046	77.0
	in the same	-	-					-	1100	marked mark	THE PERSON NAMED IN		-	The state of the s

	1 2015	27	7520	1-7.1	1	1	10,000	2 201	27		1	1 145	50	1 >	705	44	79.0
	5150 7915	28		29,3	4			271,0	28	247	111						
	5310 0165	29	5656	24,5			17600	2 166 2	29								
	5490 6455	30		24.9				5 30.2	30	287	10.7					,	
	8730	31	5150	12915			15900	292.6	31			14400	17	2	213	0	72.0
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	10135	36		1-4.3				275,5	36	317	9.9	1	Card No.	<u></u>	15		i No. 2
	6750 10420	37	forme	24.7			12000	274,3	37				pe of pnient	8	16	Type	
	6930	35		249				271, 6	38	302	130	síc.	220	=	17-	7/75	2118
	7110 11005	39	10840				23500	1,777,1	39			1150	235		22-	8 20	
	7290	40		7 45				279.1	40	3/7	9.8	1 200	2-12		27-		719
	7470 11595	41	11400	245			201000	28.0,0	41			1	443	13	31 32- 36	700 /	2 10
	7650	42		14.				281.2	42	320	14.0	1.0	250	13	37- 41	10 5 /	10 11
	12155	43	11980	24			25700	252.5	43			1	260	13.	42- 46		0014
	12430	44		25,0					44	345	14,2	2.0	272		47-	13 2	11/12
	8190 12778	45	13200	25.1		-	26,500	285,7	45		,	2.5	271	10	52- 56	14 1	79 77
	13075	45		75.1				287.1	46	327	13.4	3	1.68	10	57- 61	CONTRACTOR OF THE PARTY OF THE	8010
	15375	47	13070		-	.1	75,00	257.9	47			4	750	10	62-	16 26	
	3730 13675	48	13350	25.			29100	258.3	48	30	7.2	5	275	3	67-	-14	80 7
	12078	49	12.590	25		2	0043	258.7	49			6	293	9	72- 76	18 28	
	14275	50	14000	1 . 5.	5	1 2	00092	2.58.4	50	277	7.0		Max	dmum W		peed Dot	
						Data for Tre	·	. 175 607				Min.	alt. win				
Treat la	1275	24	-	-	1624						82725	Alt.	of maxim	num	-/		
1723 0	2719	276	23 12	CA 16	2716	32919	10291	53291	5/5	3015	81950	1 7	speed (		pand		-
3014 0	3410	5.3	014/02	920:	2715	0			-			(m.p.	degrees s.) of M	d speed	Ö		
- EN 17	1		11 75	976 0	2109	00505	007 1	9 00824	12	0822	0	45 m	p.s. or	more (m	.)		
													r chuck or on re		CONTRACTOR OF THE PARTY OF THE	levels	

(M)

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'Identification

Havin Will 60' Love 20th.

### U.S. DEPARTMENT OF COMMERCE

# WINDS-ALOFT COMPUTATION SHEET (LANDSTATION FORM)

WBAH-20

	Year	Honth	Day	Time
Actual . time	1964	JUL	1 0	4000
(G.M.T.)	1:11 4.	1111		0000

Ascension No. Science

Type of ball	oen :	23.					Origina	lien,	3600	= South			ide Time-Altii	ude Data
Slant	hr. above		Rowin ht. above	Elevatio	n angla o	Distance from observation	Azimuth	0	Direction o	Speed	Con-	Pressure (mb.)	Alsitode (m., m.z.l.)	Elapsed time (min.
(m.) (yds.)	Stell 100	1 3	surface (m.)	Observed	Smoothed	point (m.)	angle	Minut	3600= N.	(m.p.s.)	10	974	1170	3.5
	216	1	30	25.0		790	250.0	1	254	14.8	15	513	1950	5.9
	414	2	Gia	22,2		10.60	2535	2	250	16.7	20	742	2700	8.0
	980	3	980	19.85		76.96	252.6	3		17.7	25	GTT	3470	10.0
	801	4	1250	18.85		3960	260.3	4	264	20.4	30	C.17	4240	12.3
	1 550	5	1,537.0	18,30		×100	2634	5	275	16.0	35	502	4970	14.4
	1176	6	2000	18.70		5840	2651	6	281	10.3	40	5311	5700	163
	2170	7	2230	100		6300	2-66	7	254	9.7	45	404	6430	18.2
	1530	8	27.00	121,2		6900	4683	8	288	10.6	50	477	7/70	20.0
	1710 2740	9	3695	27.2		5500	290.4		192	11.0	55	303	7880	21.9
	1690	10	3473	230		8160	2252	_	294	8.3	60	242	2500	24.0
	2070	11	2 860	24.3		8430	213.1	11	289	5.3	65	Sic	9230	26.0
	2250	12	1 15	253		8700	203.6		279	5.7	70	777	9910	27,8
	2430	13	4445	26.2		9100	293.6	13	206	8.3	75	SC.1		29,4
	2010	14	UN 10	26.4		9700	2929	14	200	10.0	7 80	287		31.0
	2790	15		106.6		10300	2024	THE RESERVE OF THE PERSON NAMED IN	200	11.0	85	215		32,8
	2070	16	5500	260		11000	2008	16	287	10.3	90	194	12500	34.5
	3150	17	3970	207		11500	274.4	17		3.7	95	1715	13130	36.2
	8330 8216	18	(350	275		12000	225,6	18	299	9.7	100	157	13800	37:8-
	3510 6485	19	67.90	25,2		12600	276.3	19	303	12.2	105	140		395
	5756	20	5230	279		13300	2781	20		14.1	110	123	15360	141.3
	3870	21	- 9100	27.8		140000	2085	21			115	100	16300	43.0
	4056 6225	22		27.7		-1	2787	22	291	14.6	120	95	17310	145.5
	4255 6565	23	5220	27.4		15900	2798	23		1.5	125	714	18530	148.6-
	4410	24	-	27.1			1.5	1000	280	12.8	130	50	20001	525
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	4770	25	0.100	126,5			1.29.9	26	280	17.6	140			624
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					Data for Tran	smission					Min. alt. wind speed
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02/02922	127	The second secon		62720	83021	03018	3 3027	15	3029	02834	Alt. of maximum wind speed (m.).
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September 16, 1964

Dear Mr.

This is in reply to your recent letter in which you detailed the observation of an Unidentified Flying Object.

Our Project Blue Book office at Wright-Patterson Air Force Base, Ohio, has attempted an evaluation of this observation from the details you gave. The motion and description of the object is comparable to that of a radiosonde or a rawinsonde balloon with a light attached.

Inclosed is a summary of information on Project Blue Book, the program for the investigation and evaluation of UFO reports. We think this information will be of interest to you.

Sincerely,

MASTON M. JACKS
Major, USAF
Public Information Division
Office of Information

Inclosure

Lynn, Massachusetts

\*Identification Year Month U.S. DEPARTMENT OF COMMERCE Day Time 18 FORM 610-12 Portand, Maine (City Airport) WEATHER BUREAU Actual 3 -1 3) Zilme mer SCOMM-WB-DC 43° 39'N 70° 19'W 75th Mer. WINDS-ALOFT COMPUTATION SHEET Schodulad Rawin WBRT 60 Eev. 20m. (G.M.T.) (LANDSTATION FORM) Ascension No. WBAN-20 Page. 360° = South Type of balloon Orientation, Rawinsondo Time-Altitude Data Wind Prossure Pibal Con-Elopsod Altitude Elevation angle o Rawin Distance from (m., m.s.l.) ht. above (mb.) time (min tact Slant Azimuth Direction 0 ht. above Spead observation sic. (m.) angle range 3600= N. Observed | Smoothed surface (m.p.s.) 1.3 point (m.) (yds.) (m.) (m.) stc. 200 41 9.9 1.70 2090 300 205 5150 1.45 TO 350 414 600 3,405 99 0.15 612 7.0 900 15010 21115 30.3 980 411.20 801 940 1190 30 8.715 15,C 31,4 1285 Stamp the V430 7370 900 14/80 239 7.7 18:3 following: 315 P.155 1505 1170 241 6760 . Name of 25713 21.3 31,9 1880 Station 1350 2080 24,0 34,4 2170 2. Lat. and 1530 2360 2.0 long. 3C.C. 79-10 25.-2455 . Local 2,45 2650 1710 2.0 5:14.1 2080 25.26 21.7 2740 Standard 1990 309 F.455 OFPP time,\_ 10 40,3 317 3020 meridian 243 2070 11 3210 65 277 725.8 10220 457 34.1 3300 L. El. of Station 12 2250 3530 70 709 12 Ess. I LOSTO 3 4 45,3 . Method of 9580 obs., 0.g., 2430 13 3800 13 222 1.0 11700 227,7 37.4 47,5 3855 rewinsonde. 2010 4/100 200 rowin, pibal 277.7 12360 497 401 4130 15 2796 5. Type of 227,4 85 42 14 13050 51.0 4498 aquip., a.g., 2970 :700 217 4700 90 CHI. 187110 5534 WBRT-57, 53.1 4575 GMD-1A, 3150 100 1.6 5010 8,55 95 4-1 14430 530 4945 SMD-1, 3330 292 401 1310 18 SCR-658, 1151 100 530 1.189 1311.0 5215 theodolite 3510 J600 19 15710 94.9 105 5485

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ermination	5130 7915	28		57.0			243,5	28	74	2.6				
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-	13975	49		7/1			-170	50	271	70	10 270 9	76	13 7 67	2
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本 图 //	12606 22 611	11	011 61	11 60	7 29	7 /2/14	2911		6204	21019	Alt. of maximum wind speed (m.)			
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0 10											Enter check if a appear on revers		evels	

\*Identification U.S. DEPARTMENT OF COMMERCE. Time Year Portand, Maine (City Airport) 18 FORM 510-12 WEATHER BUREAU Actual · t 33 43° 39'N 70 19'W 75th Men. ISCOMM-WB-DC WINDS-ALOFT COMPUTATION SHEET Schoduloc Rawin WaRf 60 East. 20hi (G.M. T.) (LANDSTATION FORM) Ascension No. WBAN-20 Page 360° = South Rawlasonde Time-Altitude Data Type of balloon Orientation, Pibal Wind Con- Pressure Elapsed Altitude Elevation angle o Rawin Distance from (m., m.s.i.) ht. above (mb.) time (min. tact Stant Azimuth Direction of 3600= N. ht. above observation Speed angle ranga (m.p.s.) surface Observed | Smoothed point 370 (m.) (yds.) 1-1 (m.) (m.) stc. 140 1070 300 890 380 255 12.6 7.855 230 OFFI 5.2 414 232 710 25,0 5565 10.0 OTUS 7.4 243 2090 012 1050 SC'C' 17,955 9.6 OFIC 9.5 980 254 801 2570 9.5 30 / 4 2,565 3850 1370 9.5 11.5 1285 1St imp the 990 267 35 193 9.1 3160 598.4 4570 13.5 fo lowing: 1090 0,75 1585 1170 l'ame of 3540 284 5.1 5250 0105 327.1 15.5 2475 1880 : totion 1350 272 29 3620 2456 2330 5940 17.3 226 2170 1.at. and 1530 3770 3-1 792 5550 247,5 0520 long. 7.79 3,66 2455 1.ocal 1710 288 3890 3.3 55 249.4 37.4 OPST 3000 217 2740 Standard 1990 264 4080 60 OFPF time,\_\_\_th 3336 251.1 73. 390 3020 meridian 2070 34 4/200 2.7 31.76 2050 23. 41,0 050,5 3300 El, of Station 2250 4400 274 OSSP 27.5 4020 1,54 Mothod of 3500 obs., a.g., 2430 13 2.8 4500 253 4350 dista 5,63 OFFP 3555 towinsonde, 2010 14 80 7/2 2.8 rawin, pibal 4750 4130 231 44.9 252,0 10000 3110 4130 250 8 15 5.3 85 237 2790 4800 5040 . Type of 11310 1.55 15 46,4 equip., e.g., 2070 90 214 5370 11900 247.5 11920 WBR T-57. 47.4 547 4575 GMD-1A, 2160 2-33 95 192 5610 EYCA 3100 48,0 15040 30,1 4945 GMD-1. 1330 E495 18 3.8 276 2017 SCR-658, 3300 100 13350 486 6000 5215 theodolite 3510 5:1 19 292 5500 14100 40.4 6350 49.2 105 8485

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\*Identification Your Month Portand, Maine (City Airport) U.S. DEPARTMENT OF COMMERCE Time WE FORM 610-12 WEATHER BUREAU Actual (0-13) lime th mer-43° 39'N 70° 19'W 75th Mer. USCOMM-WB-DC WINDS-ALOFT COMPUTATION SHEET Rawin WDRT 60 Eev. 20m. Schoduled (LANDSTATION FORM) WBAN-20 Ascension No. Page Type of balloon Orientation, 360° = South Rewinsonde Time-Altitude Date y Part Protaure Pibal Wind Con-Altitude Elapsed Elevation angle o Rawin Distance from (m., m.s.l.) ht. above (mb.) time imin tact Slant Azimuth ht. above observation Direction 0 sfc. (m.) Speed ongle range 3600= N. 320 surface Observed | Smoothed (m.p.s.) point (m.) (yds.) (m.) (m.) sfc. 10 216 280 34.2 275.7 420 350 550 414 2660 29.1 1169 1000 3,00 612 2701 800 283 1490 25 248 7 . 950 1000 7.0 801 4220 298 1760 2029 30 16 0 742 1285 S amp ha 13/10 500 5000 2230 244 305 2584 fe llowing: 6.0 1595 1170 1570. 37.1 2480 5790 1. Hame of 50 22.6 757.6 2.75 3.5 1880 Station 1350 6530 3:10 7.7 Ca 3.10 254 TAL O 260.5 45 2170 2. Lat. and 1530 7320 263.3 2050 555 2700 3000 28 4-10 long. 2455 2290 3. Local 1710 311 30 6 810-0 3050 304 866 11.1 2740 Standard 3/3 1000 80 33 T 7540 2393 557 173 8560 326 4.2 time, \_\_\_th 3020 meridian 2070 2743 352 2750 399 33/0 338 4.6 65 302 9589 3300 4. El. o Station 2250 34.6 2120 277.3 91.0 3400 3300 46 10300 5. Method of 3580 781.2 bs., o.g., 3280 2430 415 3650 11100 40.7 312 3855 rawinsonde, 203.2 2010 42.9 3360 4.5 11720 wwin, pibat 3950 799 4130 22:14 2790 117 2 C1110 21 5 6. Type of 4700 93 45. 12450 4495 qu'p., c.g., 2.970 117 3 2833 13200 4070 47-3 247 4500 500 /BR -57, 4675 SMO-IA, 3150 4370 1 1 " 2823 Le love 1115 4800 41.1 295 4945 GMD-1, 3330 18 10000 452 0 284.0 CP-658, 277.1 195 2.7 \$ 1935 B 5215 haadolite 3510 5485 4370 2845 211.5 19 793 5 100 15510 41.10

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e er										oppour c	on ter	it addition recen side	41 101	0.13	

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18 Juck 7 9/19/64 LYND Mass Lynn Wass Dear Major Jacks, & have received the evaluation of the UFO whort which was submitted by me, and forwarded to Denton Olico, by Major Fer. n. Kent of Kansson AFB. Ak. this avaluation is a joke, Illy a along wether for laughe, but if it referents a serious leelief in this matter then there is really great cours for concern over the entelligence of those responseble for such an evaluation. I consider this whele a grass approut to the entelligence of these modered in this sighting. You know better than to believe this, and sa do I.

as your may be aware, I have been envalued en severalather U.F.O. wees among en luch, was a daylight right. eng weatheren a desc shafed only of stapped dead in the why derectly over teed, then received. This care was discussed by muself and a person who heldithes position of Servetor of Elight festing on Propert SHGE, no 2 am already aware That there socialled UFO are actieally alean space eraft from alsowber I felt that since several of there craft leave appeared and manusered -over my leone sear a period of teme, that a patter of culticat had perhaps lien shown to exist on the part of the occupants of said constit If so I feet thet some good une could be made of this fact, if it is a freet

Lynn, Mass Luly 22,1964 xion whi In Saturday night at 10.55 P.M. -9 4. F.D. manungad oven Lynn. Mass. Thisaltiet weembled a star, efether same magnitude as the Eche II satellite. mynnels and Questoked this object as It Travelled dereth Land clear at moved of the cauni afaparent aprentas Eche 1-0,2 and I thought that it was either one of these, as we weathed this object, it slowed, whaven and stopped their money dack ward mitil it areas o -at a point directly over -- Road, where it a topped a gain It remained mationless this thing and could casely here been mistaken for a weter, as this is waterful looked like to the nathed seye, works

object in it, so I used my bi ed this abject for a coupl of noculars which my wife had minutes and it remained brought out, Thestime the ob- mationless. I told my wife jeet continued to move steadily to keek her eyes on it while away to the E. N.E. and swatch I went in to bring outning ed itentil it faded from telescope, a 4" reflector types. I arrived witseds with it and I was ealled on the telephone at -setituefe, the abyest will ri-10.55 on there aliants, by my masning mationless, as the - rester who haves about a guar. - elyest was directly a banens, ter mile from my leoni, and the telescoper was pointed she told me she and her her straight up maleing itwery the eyefficer so I auggest I was -band had watched this ale. Flet manuever in The sky for moin to the back of The yard, 10 minutes telloniske culled so I sould get an angli stut Tue to go auf and se it. af it, we walked to the This same abject had accelerated rear efithe property and I again very refredly one - her place set the seepe up, This years me becoming very bright, lighting an angle view so I really togening the alex a dank believe scope. as I was focusing it colon. The object a lie stopped in the eyelece ( ) the star like it knies to an pois they absormed though this time to the ENE it preas to ralling me. When my wife and I were observing as my scape has arranew-field, this object it stopped and booned is very difficult if noting directly over our gardioher kassible, to locate a moung

# FOREIGN TECHNOLOGY DIVISION

AIR FORCE SYSTEMS COMMAND
UNITED STATES AIR FORCE
WRIGHT-PATTERSON AIR FORCE BASE, OHIO



ATTH OF: TDEW

suarect: UFO Sighting, 18 Jul 64, Lynn, Massachusetts

4 Sep 64

Wash D C 20330

- 1. Reference the attached letter from Mr regarding a satellite-like observation on 18 Jul 64 at Lynn, Massachusetts.
- 2. The direction of motion to the SSW is contrary to normal orbital flights. The motion and description of the object is comparable with a radiosonde or a rawinsonde balloon with a light attached. With the exception of the lighting up of the immediate area, which was not observed by Mr., but reported by his sister, no association can be established between the object observed by him and his wife or that of his sister. It is suggested that Mr. be informed that his sighting has been evaluated as a probable balloon observation and that a Fact Sheet be forwarded to explain the Air Force's position on unidentified flying objects.

FOR THE COMMANDER

Colonel, USAF

Deputy for Technology

and Subsystems

1 Atch Ltr, 22 Jul 64

多

YOU - THE NUCLEUS OF SECURITY!

I had been to Heryden Plometering on Tuesday, July 14, 1964, as I had an appaintment to talk To my Walter M. Weble, director - La Eleveteneum, The pur per of this appointment had bean to descuss a lemande ceruation made by myself. and a freench at this terms me well brought up the sul. get of the U.F.O. and mentioned a recont reported righting men the Kighlands area of Typing, in wheat the object made = near landeng- 1 fe also said the masurentested in getting recent sightenings. Four days after this request is pretty quick service, I have sent this report to ner, well, and have as had for - meeting with hein, to fully descuss the U.F.O situations His palicy is to tell the truth and let the chips fallwhere they may, as Before

# HEADQUARTERS FOREIGN TECHNOLOGY DIVISION

AIR FORCE SYSTEMS COMMAND UNITED STATES AIR FORCE

WRIGHT-PATTERSON AIR FORCE BASE, OHIO

REPLY TO

ATTH OF: TDFCC/Maj Mills/57223

SUBJECT: Meteorological Data

DEC 3 1964

TDEW (Maj Quintanilla). (TSgt Moody)

- 1. Reference your November request for meteorological data. The attached data are for 1964 dates: 2 Apr, 18 May, 9-10 and 18-19 July.
- 2. I have extracted the wind data for Boston and Cleveland areas.
- 3. Please call if any further explanations are needed.

GEORGE MILLS II

Major, USAF

Meteorologist

6 Atch

D Boston and Cleveland winds, 18-19 Jul 64

(2) Madison, Wisconsin,

2 Apr Surface Data

3. Washington, D.C. 18 May

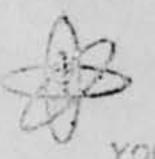
Surface Data

(4) Portland, Me., Boston, Mass. and Nantucket, Mass. July 16-19 Upper Wind Data

(5) Toledo, Ohio and Pittsburg, Pa., 17-18 July Upper

Wind Data

6 Adiabatic Charts for Missouri area, 9-10 July



YOU . THE NUCLEUS OF SECURITY!

Boston Area Winds 18-19 July 1964, Local Times

Directions in degrees from which wind blows, e.g., 240 is a SW wind 270 is from the west. Speed in knots.

	18 July 1800	DL.	19 July	0000L	19 July	0620L
1000 Ft Level	Degrees	Knots	Degrees	Knots	Degrees	Knots
Surface 2 3 4 5 6 7 8 9 10 12 14 16 18 20	240 250 260 260 270 270 270 270 270 260 260 260 270 290 290	23 25 24 25 25 28 29 28 29 23 19 23 19 16 19 18	240 260 260 260 270 270 270 270 290 290 270 270 300 300	30 37 33 25 19 18 17 16 14 22 15 15 20 21 18	280 290 300 290 280 270 260 260 260	22 30 30 26 23 21 21 23 21
20 23 25 30	290 300 280	15 15 18	300 300 280	27 29 34		

Cleveland Area Winds 18 July 1964 estimated for 0245 GMT

0724

Surface	220	11
2	220	20
3	230	20
4	240	20
5	240	16
6	250	15
7	260	14
8	280	11
9	300	9
10	300	6

\*Identification · Red 610-12 U.S. DEPARTMENT OF COMMERCE Year Month Day Time WOAS, SUSTON -2B, P. WIS. WEATHER BUREAU Actual (local standard) 1900 JU 42° 22'H 41° 02'H WINDS-ALOFT COMPUTATION SHEET PIRAL THRONOLITY (LAND STATION FORM) 75th 1000 ELEV. 11. MSL WBAN-20 Ascension Not 45 are Type of bolloon 100 Gy Orientation, 360° = South Rowinsonde Time-Altitude Data Piba! Elevation angle Wind Rawin Distance from Azimuth sfc. (m.) Slant ht. above Direction observation Speed angle Con- Pressure Altitude range Elapsed surface 3600= N. (m.p.s.) point Observed | Smoothed (m.) (yds.) (m., m. s. l.) tact (mb.) (m.) (m.) time stc. 212 (min.) 350 15,0 880 414 5,5 219.3 20.6 670 612 19.7 227,4 5,1 10 1263 801 1285 12011 12.9 15 3510 990 4085 5 273 1239,9 21.2 20 1170 25 up the owing: 1350 30 ome of 1530 2455 1710 35 at on at. and 40 2740 ng. 1890 45 10 le ac 3020 andard 2070 3300 50 me,\_\_\_th eridian 2250 3580 2430 55 12 1. of Station 60 ethod of 3955 2610 4130 25. c.g., 65 winsonile, 2790 4405 2970 4675 win, pilial 70 15 ype of 75 16 BRT-57, BRT-57, BB-14, MD-1, 3150 4945 17 80 3330 5215 85 18 CR.653, 3510 5485 3690 5755 19 90 codelite 26 95 1870 | -- 1

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		7110 11005	39							39	'	150 m.	215	11	22- 26	3		1
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\*Identification U.S. DEPARTMENT OF COMMERCE a. 610 12 Month Day Lima Actual (local 002 standard) WINDS-ALOFT COMPUTATION SHEET (G.M.T.) THEODOLITE. (LAND STATION FORM) WBAN-20 FRENT 11' MSL 75th MER Ascension No. 104 316 Type of bottoon 3600 = South Orientation, Pibal Rowinsonde Time-Altitude Data Elevation ongle Wind Rawin ht. above sfc. (m.) Distance from Azimuth Stant hi. above observation Directiono Speed angle Con- Pressure range Altitude Elapsed 360°= N. surface point (m.p.s.) Observed | Smoothed (m.) (yds.) (mb.) (m., m.s.l.) (m.) tact (m.) time sic. 220 (min.) 216 2386 245 240 350 414 259 18.1 670 612 3/25 265 16.0 10 980 801 15 1285 990 9.8 19.3 4525 20 1585 1170 1880 256.3 9,1 266 25 ip the owing: 257.5 1350 2170 270 30 ame of 271 1530 2455 1710 2740 72.0 258.8 35 ation 759.4 267 at, and 22.8 6520 ng. 1890 3020 6910 23.6 45 luzo andard 2070 50 11 ma,\_\_\_th eridian 2250 3580 2430 3855 12 55 L of Station 13 athed of 2610 4130 5., 0.9., 14 65 winsende, 2790 4405 win, pibel 15 15 70 2970 4675 ype of 16 75 BRT-57, MD-1A, 3150 17 80 17 4945 3330 5215 3510 5485 ME-1. 18 CR-658, 19 19 90 ocdollie 3690 5755 20 20 95

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